

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. (Currently Amended) A valve-operating lever comprising:
a valve arm including a first aperture defining a valve arm engagement portion;
a connector member;
a first stop cooperating with the connector member to at least partially define a first engagement portion, the valve arm engagement portion engaging the first engagement portion; and
a second stop positioned such that the valve arm is sandwiched between the first stop and the second stop, the first stop and second stop in contact with the valve arm to inhibit movement of the valve arm along a longitudinal axis defined by the connector member.
2. (Original) The valve-operating lever of claim 1, wherein the first aperture is substantially circular.
3. (Original) The valve-operating lever of claim 1, wherein the connector member includes a cylindrical tube.
4. (Original) The valve-operating lever of claim 1, wherein the first stop includes a first reduced-diameter portion that defines a first shoulder.

5. (Original) The valve-operating lever of claim 1, wherein the valve arm defines a valve arm thickness and wherein the first engagement portion defines an axial length that is at least as great as the valve arm thickness.

6. (Original) The valve-operating lever of claim 1, wherein the valve arm is formed from a stamped metal.

7. (Original) The valve-operating lever of claim 1, wherein at least one of the valve arm engagement portion and the first engagement portion includes knurls.

8. (Canceled)

9. (Currently Amended) The valve-operating lever of claim 1, further comprising a lever follower arm including a second aperture defining a lever follower arm engagement portion.

10. (Currently Amended) The valve-operating lever of claim 9, wherein the lever follower arm includes a follower surface adapted to engage a cam surface.

11. (Currently Amended) The valve-operating lever of claim 10, wherein the valve arm includes a valve actuating portion adapted to actuate a valve in response to movement of the lever follower arm.

12. (Original) The valve-operating lever of claim 1, wherein the first stop is integrally formed as part of the connector member.

13. (Original) The valve-operating lever of claim 12, wherein the second stop is integrally formed as part of the connector member.

14. (Original) The valve-operating lever of claim 13, wherein the first stop and the second stop overlay a portion of the valve arm.

15. (Original) The valve-operating lever of claim 13, wherein the connector member includes a third stop, the connector member and the third stop cooperating to define a second engagement portion.

16. (Original) The valve-operating lever of claim 15, wherein the third stop is integrally formed as part of the connector member.

17. (Original) The valve-operating lever of claim 15, wherein the third stop includes a second reduced-diameter portion that defines a second shoulder.

18. (Currently Amended) The valve-operating lever of claim 15, wherein a second portion of the connector member overlays a portion of the ~~lever~~ follower arm adjacent the second aperture, and the ~~lever~~ follower arm engagement portion engages the second engagement portion.

19. (Currently Amended) The valve-operating lever of claim 15, wherein at least one of the ~~lever arm~~ first engagement portion and the second engagement portion includes a portion having knurls.

20. (Canceled)

21. (Currently Amended) The valve-operating lever of claim 15, wherein the ~~lever~~ follower arm defines a ~~lever~~ follower arm thickness, and the second engagement portion defines an axial length that is at least as great as the ~~lever~~ follower arm thickness.

22. (Currently Amended) A direct lever system for an engine, the system comprising:

a cylinder bore, the cylinder bore having an outer end;

a cam assembly having at least one cam surface and an axis inward of the outer end of the cylinder bore;

two valves having opened and closed positions;

two valve stems, each valve stem attached to one of the two valves;

a cylinder head substantially enclosing the outer end, the valves being seated in the cylinder head; and

two pivotably mounted valve-operating levers, at least one of the valve-operating levers including,

a connector member having a ~~lever follower~~ arm end defining a first reduced-diameter portion and a valve arm end defining a second reduced-diameter portion separate from the first reduced-diameter portion, the connector member defining a pivot axis about which the valve-operating lever pivots;

a ~~lever follower~~ arm including an aperture, a portion of the connector member engaging at least a portion of the ~~lever follower~~ arm adjacent the aperture to fixedly attach the ~~lever follower~~ arm to the connector member, the ~~lever follower~~ arm having a cam follower surface in contact with the at least one cam surface; and

a valve arm including an aperture, a portion of the connector member engaging at least a portion of the valve arm adjacent the aperture to fixedly attach the valve arm to the connector member.

23. (Currently Amended) The system of claim 22, wherein the ~~lever~~ follower arm aperture and the valve arm aperture are substantially circular.

24. (Original) The system of claim 22, wherein the valve arm is formed from a stamped metal.

25. (Original) The system of claim 22, wherein the connector member valve arm end includes a first stop.

26. (Currently Amended) The system of claim 25, wherein the first stop includes a first shoulder at least partially defined by a first the first reduced-diameter portion.

27. (Original) The system of claim 25, wherein the valve arm defines a valve arm thickness and wherein the first reduced-diameter portion defines a first axial length that is at least as great as the valve arm thickness.

28. (Original) The system of claim 22, wherein the connector member valve arm end includes a first stop integrally-formed as one piece with the connector member valve arm end.

29-30. (Canceled)

31. (Currently Amended) The system of claim 22, wherein at least one of the lever follower arm aperture and the lever follower arm end of the connector member includes knurls.

32. (Original) The system of claim 22, wherein at least one of the valve arm aperture and the valve arm end of the connector member includes knurls.

33. (Currently Amended) The system of claim 22, wherein the connector member lever follower arm end includes a lever follower arm end stop.

34. (Currently Amended) The system of claim 33, wherein the lever follower arm end stop includes a second shoulder defined by a lever follower arm end reduced-diameter portion.

35. (Currently Amended) The system of claim 33, wherein the lever follower arm defines a lever follower arm thickness and the second reduced-diameter portion defines a second axial length that is at least as great as the lever follower arm thickness.

36-63 (Canceled)